

CLAIMS

1. A medical image diagnosis apparatus which images a subject by forming an image of the whole of a portion of a subject, sets imaging conditions by displaying the imaging conditions on the whole image, and images the subject portion by forming a tomographic image of the subject portion under the imaging conditions, the medical image diagnosis apparatus comprising:
- 5 a first display device capable of displaying the whole image and the imaging conditions or variably inputting the imaging conditions by displaying the whole image and the imaging conditions;
- 10 a second display device of extracting some of the imaging conditions and displaying the extracted condition;
- a display control device for the first display device and the second display device; and
- 15 an operating device of variably inputting the imaging conditions displayed in a display image frame on the second display device.
2. The medical image diagnosis apparatus according to claim 1, wherein the imaging conditions displayed on the first and second display device are imaging conditions displayed by graphic display and including at least one of an imaging position, an imaging area, a certain number of instances of image reconstruction, an image reconstruction position and a scanner angle.
- 20 3. The medical image diagnosis apparatus according to claim 1, wherein the imaging conditions displayed on the second display device further include imaging sequence ordinal numbers for setting the imaging conditions with respect to each of a plurality of imaging sequences.
- 25 4. The medical image diagnosis apparatus according to claim 1, wherein a display frame on the first display device and the display frame on the second display device share one monitoring screen.

5. The medical image diagnosis apparatus according to claim 1, wherein display devices for the first display device and the second display device are provided separately from each other.
6. The medical image diagnosis apparatus according to claim 3, wherein at least one of the imaging conditions for imaging varies among the imaging sequences.
7. The medical image diagnosis apparatus according to claim 3, wherein the desired order of execution of the plurality of imaging sequences is designated by inputting numeric values.
8. The medical image diagnosis apparatus according to claim 2, wherein the imaging position and the imaging area in the imaging conditions are indicated by a rectangular frame and a mark in the rectangular frame in the first display device and the second display device, and are set in at least one of the first display device and the second display device.
9. The medical image diagnosis apparatus according to claim 8, wherein the number of instances of image reconstruction and the image reconstruction positions in the imaging conditions are indicated by lines provided in the rectangular frame and dividing the rectangular frame by extending parallel to sides of the rectangular frame, and are set in at least one of the first display device and the second display device.
10. The medical image diagnosis apparatus according to claim 8, wherein the operating device can extend or contract the rectangular frame in any direction, and move the mark to any position together with the rectangular frame.
11. The medical image diagnosis apparatus according to claim 9, wherein the operating device can generate the division lines in the rectangular frame at any position and move the division lines to any position.

12. The medical image diagnosis apparatus according to claim 2, wherein the scanner angle in the imaging conditions is displayed in a parallelepiped configuration formed by tilting parallel at least one of two pairs of side constituting the rectangular frame in the first display device and in the second display device, and is set as the tilt
5 angle of the parallelepiped configuration at least one of the first display device and the second display device.

13. The medical image diagnosis apparatus according to any one of claims 8 to 12, wherein that the rectangular frame, the division lines and the mark can be moved or copied from the first display device to the second display device or between the first
10 display device and the second display device in an identical, similar or analogous form.

14. The medical image diagnosis apparatus according to any one of claims 4 to 12, wherein the operating device comprises a pointer.

15. The medical image diagnosis apparatus according to any one of claims 1 to 3, wherein the second display device comprises a touch panel.